

The logo features the word "AES" in blue with a grey swoosh above it, followed by "VISION" in black. Below this, the year "2020" is written in large, bold, black digits.

**AES VISION
2020**

Member Services Smart Objectives

Wolfgang Koch, Leo Ligthart

Mike Wicks, Federico Lombardi, Jason Williams, Lorenzo Lo Monte, Fabiola Colone

April 27, 2018

Renaissance Oklahoma City

Member Services

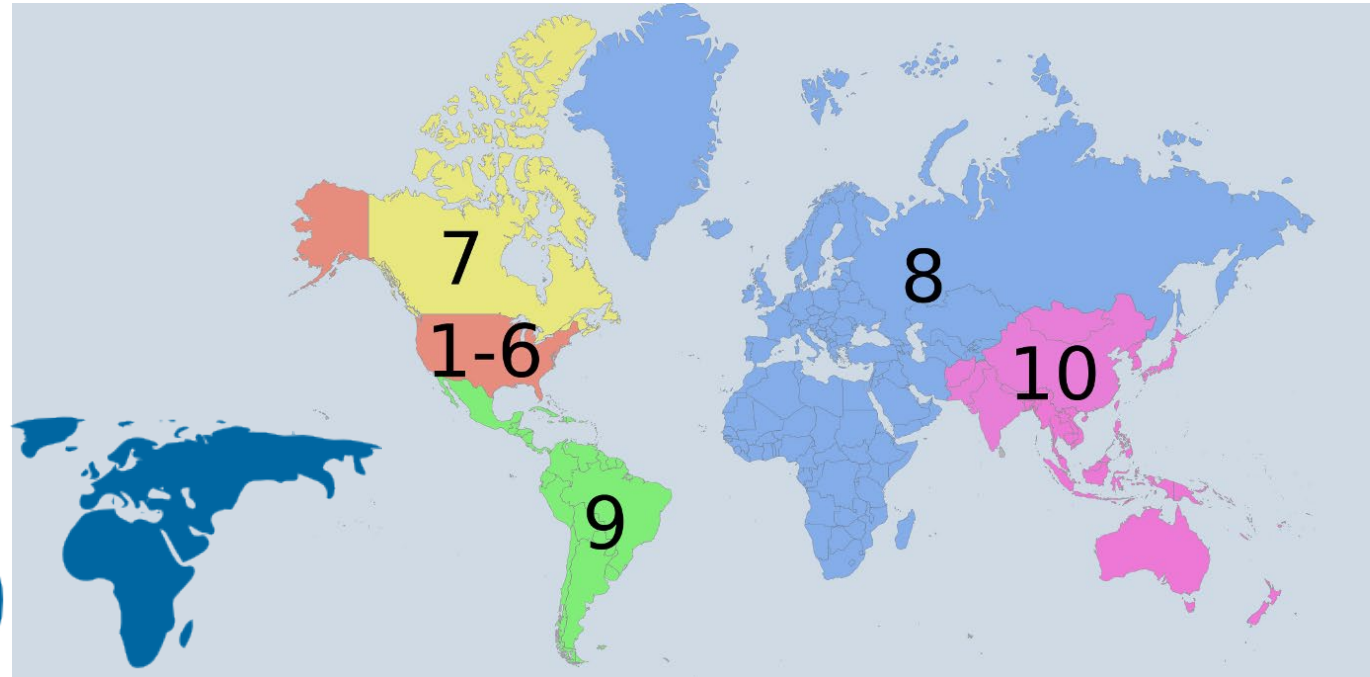
3-Year Goals

1. Maintain close liaison with Chapters and engage chapter members in AESS events and activities
2. Promote formation of AES-Joint Society Chapters where no chapter exists
3. If financially feasible, hold a Chapter Summit every three years in conjunction with the Sections Congress meeting
4. Promote AES chapter participation in organizing conferences
5. Grow AESS membership by 1% per year
6. Increase member participation in AESS events
7. Reduce the number of member drops each year
8. Recruit student members to full membership upon graduation
9. Offer assistance to members for elevating to the next grade

Objective Motivation: Where are our resources?

Exploit, e.g., the vast potential of region 8!

region 8
IEEE 8



Objective 1

Strengthen links between AESS BoG and the AESS Bodies

- S** – Biannual EU-AESS face-to-face chapter chairs meetings
- M** – Biannual survey / planning of EU-AESS chapter activities
Updated list of chapter contact data and ping them.
- A** – Assigned to: Leo, Wolfgang
- R** – 1: maintain liaison, 4: promote participation in organizing conferences, 5: grow membership, 7: reduce drops
- T** – BoG Autumn 2018 Meeting, to be held in Rome

Objective Motivation: IEEE AESS Focus Day Navigation in GNSS-degraded Environments

IEEE Focus Day: Wie kann die Navigationsfähigkeit der Bundeswehr sichergestellt werden?

Das Germany Chapter der IEEE Aerospace and Electronic Systems Society, einer global agierenden ingenieurwissenschaftlichen Gesellschaft für vielfältige Aspekte der Systemtechnologie, veranstaltete am 6. Juni 2017 im Fraunhofer FKIE, Wachtberg, einen Focus Day unter der Schirmherrschaft des Verteidigungsministeriums. Die zentrale Frage war: Wie ist die Schlüsselfähigkeit Navigation auch dann zu gewährleisten, wenn satellitengestützte Systeme in ihrer Funktion beeinträchtigt, gestört oder getäuscht werden?

TRDir Matthias Steil, im BMVg für derartige Fragen zuständig, unterstrich durch plakative Beispiele, wie entscheidend robuste Navi-



Auf Einladung von Dr. Wolfgang Koch (r.) am 6. Juni zu Gast am FKIE (v.l.): Dr. George T. Schmidt, IEEE Life Fellow, Prof. Dr. Gert F. Trommer, Karlsruhe Institute of Technology (KIT), und TRDir Matthias Steil (BMVg).

Karlsruhe Institute of Technology. Sie wurden

June 9, 2017 under the auspices of the German MoD

George Schmidt
DL

lecturing in Germany,
Switzerland, Netherlands

Objective 2

Exploit Distinguished Lectures for Serving AESS Members

S – Encourage tours of Distinguished Lectures to non-US regions via IEEE AESS Focus Days: More visibility of local chapters.

M – Swiss/German/Dutch/Polish: combined with BoG Meeting

A – Assigned to: Wolfgang, H. Wipf, M. Bentham, W. Krzysztofik

R – 2: promote AES-joint society chapters, 5: grow membership, 6: increase member participation, 8: recruit students

T – around the BoG Autumn Meeting, Rome, September 2018 

Objective Motivation: Honoring Hülsmeier

IEEE Historic Milestone in Cologne, Germany

Die Oberbürgermeisterin



Am für Landschaftspflege und Grünflächen
Untere Jagd- und Fischereibehörde

Stadthaus Deutz - Westgebäude
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Telefon 0221 221-26394, Telefax 0221 221-6569713
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670/4

Stadt Köln - Amt für Landschaftspflege und Grünflächen
Willy-Brandt-Platz 2, 50679 Köln

IEEE
Institute of Electrical and Electronics
Engineers
History Center am Stevens Institute of
Technology
Castle Point auf Hudson Hoboken,
NJ 07030
USA - Vereinigte Staaten von Amerika

Sprechzeiten
Mo. 14.00 bis 16.00 Uhr, Mi. 08.00 bis 12.00 Uhr und 14.00 bis
16.00 Uhr und nach besonderer Vereinbarung

KVB Stadtbahn Linien 1, 3, 4, 9
Bus Linien 150, 153, 156
S-Bahn Linien S6, S11, S12, S13, S19 sowie RE-/RB- und
Fernverkehr
Haltestelle Bf. Deutz/Messe LANXESS arena

Ihr Schreiben

Mein Zeichen
670/4 Are

Datum
04.04.2018

**Anbringung einer Gedenktafel zu Ehren von Christian Daniel Hülsmeier unweit der
Hohenzollernbrücke am linken Kölner Rheinufer**

Sehr geehrte Damen und Herren,

mit diesem Schreiben möchte ich Sie darüber in Kenntnis setzen, dass auf Vorschlag von
Herrn Prof. Dr. Wolfgang Koch und Herrn Notar a.D. Konrad Adenauer, verschiedene politi-
sche Ausschüsse der Stadt Köln die Anbringung einer Gedenktafel zu Ehren von Christian
Daniel Hülsmeier diskutiert und im Dezember 2017 einer Anbringung unweit der Hohenzollern-
brücke am linken Kölner Rheinufer zugestimmt haben.
Damit soll in Köln die Erfindung des Radars durch Christian Daniel Hülsmeier und seine
bahnbrechenden Experimente an den Ufern des Rheins im Jahre 1904 gewürdigt werden.

In diesem Zusammenhang muss ich darauf hinweisen, dass die Stadt Köln keine Kosten für
die Gedenktafel, deren Anbringung und Folgekosten übernehmen kann.
Notwendige Einzelheiten und Finanzierungsfragen sollen daher in einer gesonderten Verein-
barung zwischen der Stadt Köln und der Fraunhofer-Gesellschaft geklärt werden.

Über die baldige Realisierung einer Anbringung der Gedenktafel
für Christian Daniel Hülsmeier würde ich mich sehr freuen.

Für evtl. Rückfragen steht Ihnen Frau Arends gerne jederzeit unter der angegebenen Ruf-
nummer zur Verfügung.

Mit freundlichen Grüßen
Im Auftrag


Manfred Kaune
Amtsleiter



Start: November 2014
Approval: April 2018

IEEE History: Hugh
Spring 2019: Small
Radar History Event

IEEE AESS: Hugh,
Leo, Wolfgang
IEEE APS: Peter Knott
Sponsor: Hensoldt

Die Ämter und Dienststellen der Stadtverwaltung finden Sie unter www.stadt-koeln.de. Fragen zu den Dienstleistungen der Stadt Köln beant-
wortet Ihnen montags - freitags von 7 - 18 Uhr das Bürgertelefon unter der einheitlichen Behördennummer 115 oder 0221/221-0

/ 2

Objective 3

Exploit the Hülsmeier Event for AESS Awareness in EU

- S** – Create visibility for IEEE AESS in a competing environment
- M** – Invited AESS event: *Hülsmeier and Radar's Path to Future* (working title), IEEE APS and Hensoldt, IEEE publication
- A** – Assigned to: Hugh, Wolfgang, Leo, EU-AESS Chapters
- R** – Relevant to all membership goals
- T** – BoG Spring Meeting 2019, Cologne, Hyatt by the very bridge

Objective Motivation: Professional Networks

German AESS LinkedIn group not successful

The screenshot shows the IEEE Collabratec website interface. The logo is circled in orange. The main content area features a post by Dena Hoffman with the text "Only a few AESS members are also LinkedIn members!". The right sidebar shows a list of recommended groups including IEEE Young Professionals, IEEEExtreme, and IEEE Entrepreneurship Exchange.

Objective 4

Exploit Social Networks for Intra/Inter Chapter Comms

S – Explore **IEEE Collabratec** as a AESS professional network

M – Create local chapter groups: German, Swiss pioneering

A – Assigned to: Wolfgang, membership committee

R – Relevant to all membership goals

T – Report on experience at the Fall BoG Meeting 2018, Rome

Objective Motivation: Member-only Services

Advertise Mentoring Program at Class Rooms

Your Invitation

We invite you to participate in AESS networking and mentoring!



Mentoring is a powerful way to give back to the professional community.

- Contribute to IEEE and AESS
- Share knowledge and skills
- Foster community integration

Game-changing opportunities for students and young professionals

- Grow professional competencies
- Expand peer networks
- Guidance to achieve career goals



Objective 5

Encourage Mentoring Program directly in the Class Rooms

S – Identify IEEE AESS members lecturing at universities

M – Analyze feed-back of university professors

A – Assigned to: Wolfgang, Leo, committee

R – 8: Recruit student members

T – Regular reports during the BoG meetings

Objective Motivation: Help Creating Chapters

Guidelines – How to Create an AESS Chapter?

IEEE MEMBER AND GEOGRAPHIC ACTIVITIES	
PLAN OF ACTIVITIES FOR PROPOSED CHAPTER OF THE AESS IN GERMANY	
<p><i>This document provides information for the IEEE GERMANY SECTION (Region 8) on a proposed new chapter of the IEEE Aerospace and Electronic Systems Society (AESS) to be established in Germany.</i></p>	
<p>1. What was the motivating factor that led to forming this geographic unit? What member need will be fulfilled as a result of forming this unit?</p>	<ul style="list-style-type: none"> • <i>IEEE ISS: Inertial Sensors and Systems Symposium.</i> This a two day, one track event with a similar format (Chair: Gert Trommer). For IEEE ISS 2014 see: http://iss.ite.kit.edu/. For the workshop programs since 2007 see: http://iss.ite.kit.edu/past.php. • <i>DGON International Radar Symposium (IRS).</i> This series of radar symposia has a 17-year historical development under the chairmanship of Hermann Rohling. It started in Munich, Germany, in 1998, and came back to Germany in many years: Berlin (2000, 2005), Bonn (2002), Dresden (2003, 2013), Cologne (2007), Hamburg (2009), Leipzig (2011). 2015 the IRS will be back for a third time in Dresden, Germany. http://www.dgon-irs.org/index.php?id=28.
<p>German technical universities, research institutions like Fraunhofer and DLR, and a variety of industry companies are for a long time well-accepted global players in the area of aerospace and electronic systems. It thus seems to be quite natural to think of a technical exchange platform for this interdisciplinary engineering community and its specific interests as well as linking it stronger and more institutionally to the other relevant communities and IEEE Chapters, nationally and globally. Although there are related platforms in Germany with a technical specialized focus under the umbrella of the VDI/VDE, such as DGON for navigation and positioning, there seems to be a gap. An "IEEE AESS Germany Chapter" under the umbrella of the well-respected institution of the IEEE would not only strengthen the internal and international ties of the German aerospace and electronic systems community, but in particular vitalize the links between German and US-American colleagues that have been, are, and will be important for German engineering science.</p> <p>A strong link between the activities of the proposed AESS Chapter and the Board of Governors of the AESS is guaranteed by the Organizer/Interim Chair of proposed chapter, who is a member of this body and Fellow, IEEE.</p>	<p>The idea in forming the new IEEE AESS Chapter is to continue organizing the workshops and to use them as the two natural annual triggering events of the new AESS Chapter, where at least parts of the German aerospace and electronic systems community meet anyway. It is easy to organize technical side meetings before, during, or after the workshops or to add tutorials to be delivered by IEEE Distinguished Lecturers.</p>
<p>2. List the activities the unit will focus on for the first six months. What activities will engage the members of the unit with one another?</p>	<p>4. What level of local support is engaged in support of the unit activities?</p>
<p>The new AESS Chapter will focus on the following research and development (R&D) issues that is primarily triggered by presentation / discussion of research results and of industrial needs in 2 annual scientific events that in addition</p> <ul style="list-style-type: none"> • provide information of technical achievements to sponsors/decision makers, workshops, • offer technical tutorials related to these workshops, e.g. by IEEE distinguished lecturers, • offer a technically focused market for job opportunities (young engineers and scientists), • provide a link to related activities in the NATO Science and Research Organization (STO), • strengthen personal acquaintance, e.g. facilitating formation of consortia (e.g. public Calls), • foster societal acceptance of AESS technology in the area of defence, security, UAS. 	<p>At present, 7 technical key areas within the new Chapter have been identified, which are listed below. Representatives from Germany research and industry will take care of them:</p> <p><i>Multiple Sensor Data Fusion</i> <i>Navigation Technology</i> <i>Resources Management</i> <i>Unmanned Aerial Systems</i> <i>Aerial Vision Systems</i> <i>Radar Data Processing</i> <i>Electronic Support / Counter Measures</i> <i>Satellite Communications</i> <i>Space Surveillance</i></p> <p>The Chapter workshops IEEE SDF and IEEE ISS will also in future be locally organized by Fraunhofer and KIT, respectively. Technical and financial support by the IEEE Germany Section would be highly welcome, i.e. by advertising Call for Papers and distributing information, establishing links to relevant organizations and persons, sponsoring best paper and best student paper awards, social events, invitations of IEEE distinguished lecturers.</p>
<p>3. What accomplishments will this unit strive to meet in its first year?</p>	<p>5. Approvals for geographic unit plan (signatures required)</p>

Objective 6

Support Creation of New AESS Chapters

S – Develop a Chapter Creation Process (Germany: problems!)

M – Draft after harvesting experiences of chapter chairs

A – Assigned to: Wolfgang + committee + VPs

R – Relevant to all membership goals

T – First progress report at BoG Fall Meeting 2018

Objective Motivation: Harvest workshops! Monitor AESS-related activities for new PoCs!

Fusion Community trifft sich beim 11. SDF Symposium

Im Universitätsclub Bonn, dicht am Herzen der Universität und ihren kurfürstlichen Gebäuden, fand vom 10. bis 12. Oktober das 11. Symposium Sensor Data Fusion »Trends, Solutions, and Applications« statt.

Anfangs unter dem Dach der Gesellschaft für Informatik gegründet, hat sich dieses Wissenschaftsforum zu einem Highlight der internationalen *Fusion Community* entwickelt, auf dem sie jährlich Forschungsergebnisse austauscht. Die weltweit angesehenste ingenieurwissenschaftliche Gesellschaft, die Institute of Electrical and Electronics Engineers IEEE, ist *technical sponsor*.

Den über 50 Teilnehmern aus sieben Län-

Programm geboten. In acht thematisch fokussierten, *peer-reviewed Sessions* verzahnten sich wissenschaftliche Innovationen mit spannenden Anwendungsfragen und gaben viel Raum für Diskussionen. Entsprechend groß war die Präsenz aus zivilen und militärischen Behörden, Industrieunternehmen unterschiedlicher Branchen, Universitäten und Forschungsinstituten.

Wie sehr Datenfusion nicht nur moderne Schlüsseltechnologie, sondern bereichernder Zweig der Menschheitskultur wurde, symbolisierte ein Beethoven-Konzert der Pianistin Jamina Gerl. Dank ihrer Freundschaft zu Felix Govaers fand das Ausnahmetalent seinen Weg von der Carnegie Hall über die Tonhalle Düsseldorf in den Uni-

Three BoG members participating!



Institute of Systems Optimization (ITE)

co-sponsored by



German Institute of Navigation (DGON)

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iss.ite.kit.edu

April 2017

CALL FOR PAPERS

Inertial Sensors and Systems

Symposium Gyro Technology

Karlsruhe (Germany)
September 19-20, 2017



Objective 7

Identify new scientific / technical events related to AESS

S – Proactively contact organizers to establish links to AESS.

M – Establish a new local AESS event: seed of a new Chapter?

A – Assigned to: Wolfgang + committee + VPs

R – Relevant to all membership goals

T – First progress report at BoG Fall Meeting 2018

Objective Template

One/each using SMART Format

S – Statement of the objective

M – Performance metric for measuring progress

A – Assigned to:

R – Relevant to which goal(s) and how?

T – Time period for performance